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DIV. OF OIL, GAS & MINING

Peter
6781

Application to Revise a Notice of Intention to Commence Small Mining Operations or Exploration

Operator:		ROLLING THUNDER RESEARCH AND DEVELOPMENT LLC	
Mine Name:		File Number: E or (S) 041 / 0040	
		SNAKE VALLEY MINE	
Provide a detailed listing of all changes to the Notice that will be required as a result of this change. Individually list all maps and drawings that are to be added, replaced, or removed from the Notice. Include page, section and drawing numbers as part of the description.			
DETAILED SCHEDULE OF CHANGES TO THE NOTICE			
			Description of map, text, or materials to be changed
~ ADD	~ REPLACE	~ REMOVE	PAGES 1, 2 AND 4; FORM MR-SMO
~ ADD	~ REPLACE	~ REMOVE	FIGURE 2 - OPERATIONS MAP
~ ADD	~ REPLACE	~ REMOVE	
~ ADD	~ REPLACE	~ REMOVE	
~ ADD	~ REPLACE	~ REMOVE	
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I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments and obligations, herein.

RIC C WILLIAMS
Print Name

[Signature] MNG MEMBER
Sign Name, Position

AUGUST 5, 2015
Date

Return to:

State of Utah
Division of Oil, Gas and Mining
Attn: Minerals Regulatory Program
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Phone: (801) 538-5291 Fax: (801) 359-3940
P:\GROUPS\MINERALS\WP\FORMS\notices\Final\revision_SMO_EXP.doc

FOR DOGM USE ONLY:	
File #:	<u>M/</u> / <u></u>
Approved:	<u></u>
Bond Adjustment: from (\$)	<u></u>
to \$	<u></u>

This Section for DOGM Use:
Assigned DOGM File No.: S/041/0040
DOGM Lead: _____
Permit Fee \$ _____ Ck# _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291 Fax: (801) 359-3940

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DIV. OF OIL, GAS & MINING

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The information requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program (R647). The rules and Act are available online at <http://www.rules.utah.gov/publicat/code/r647/r647.htm> and http://le.utah.gov/~code/TITLE40/40_08.htm.

Cultural Resources Survey: To fulfill its obligations under Utah Code Annotated 9-8-404, the Division needs cultural resource (archaeology) information. The amount and type of information required will depend on the mine location, the history of previous disturbance, and other factors. Please contact the Division for further information.

A permit fee of \$150 must accompany this application (Utah Code Ann. §40-8-7(1)(i)) and is due annually.

"Small Mining Operations" are operations which have a disturbed area of ten or fewer surface acres at any time in unincorporated areas, or five acres or fewer in incorporated areas.

I. GENERAL INFORMATION (Rule R647-3-104)

1. Name of Mine: SNAKE VALLEY MINE
- 2.A. Name of Entity Applying for a Permit: ROLLING THUNDER RESEARCH AND DEVELOPMENT LLC
Contact (Authorized Officer): RIC WILLIAMS
Mailing Address: 545 N DOLLHOUSE RANCH RD
City, State, Zip: HANKSVILLE, UT 84734
Phone: (408) 316-5596 Fax: (801) 544-4554
E-mail Address: dan.tanguay5@gmail.com

Entity is a: ☐ Corporation, ☒ LLC, ☐ Sole Proprietorship (dba), ☐ Individual,
☐ Partnership (☐ General, or ☐ limited), ☐ Other (specify type) _____

Business Entity (not individuals) must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) If not currently registered, contact www.commerce.utah.gov to renew or apply.

- 2.B. Are you currently registered to do business in the State of Utah? ☒ Yes ☐ No
Business Entity #: 9333956-0160
Local Business License #: NOT REQUIRED (if required)
Issued by: County: _____ or City: _____

Registered Utah Agent (as identified with the Utah DOC) (if individual leave blank):

Name: DANIEL P TANGUAY Title: MANAGING MEMBER
Address: 545 N DOLLHOUSE RANCH RD.
City, State, Zip: HANKSVILLE, UT 84734
Phone: (408) 316-5596 Fax: (801) 544-4554
E-mail Address: dan.tanguay5@gmail.com

2.C. Entity's Representative(s) (if different from #2A) authorized and designated to receive notices of violation, cessation orders, and all other notices to be given to the permittee or operator by the Division.

Name: OREN S. GATTEN Title: CONSULTANT
Address: 447 N 300 W, SUITE 3
City, State, Zip: KAYSVILLE, UT 84037
Phone: (801) 544-3421 Fax: (801) 544-4554
Emergency, Weekend, or Holiday Phone: _____
E-mail Address: ORENGATTEN@NAMINESERVICES.COM

Name: _____ Title: _____
Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
Emergency, Weekend, or Holiday Phone: _____
E-mail Address: _____

3. If Business is a Sole Proprietor (dba) or Individual:

Name of Owner: _____ Title: _____
Business Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
E-mail Address: _____

If Business is a Corporation:

Name of Officers: _____ Title: _____
Name: _____ Title: _____
Name: _____ Title: _____
Name: _____ Title: _____
Headquarters Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
E-mail Address: _____

If Business is a Limited Liability Company: Member Managed (X) Manager Managed ()

Name of 1st Member/Manager: RIC WILLIAMS Title: MEMBER #1
Business Address: 16345 LOS GATOS BLVD, UNIT #34
City, State, Zip: LOS GATOS, CA 95032
Phone: _____ Fax: _____
E-mail Address: _____

Name of 2nd Member/Manager: _____ Title: _____
Business Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
E-mail Address: _____

If Business is a Partnership:

Names of Partners: _____
Business Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
E-mail Address: _____

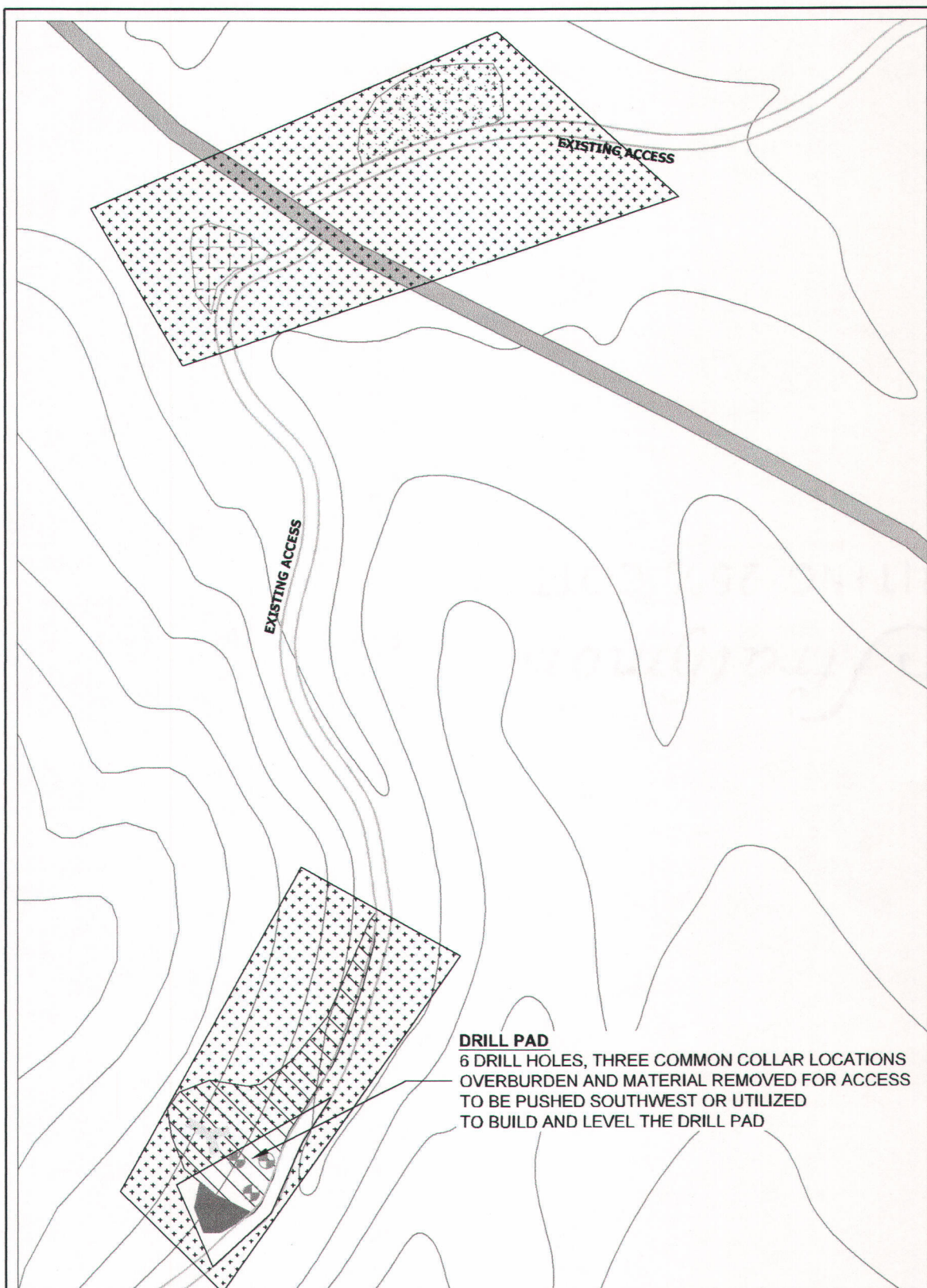
If Business is a Partnership:

Names of Partners: _____
Business Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
E-mail Address: _____

2. **Is the project within an incorporated area?** () Yes (X) No
If yes, what is the town or city? _____
3. **Location and Operations maps** must be plotted at a scale to accurately identify locational landmarks and operations details. All maps must include a north arrow, scale, appropriate labels, and title box including the mine name, township, range and section.
 - a. The **general location map** must be the scale of a USGS 7.5 minute series map or equivalent (1"=2000') and identify new or existing access roads.
 - b. The **operations map** (1"=200' or other scale as determined necessary by the Division) must be labeled and identify:
 - i. The area to be disturbed;
 - ii. The location of any existing or proposed operations including access roads, drill holes, trenches, pits, shafts, cuts, or other planned activities; and
 - iii. Any adjacent previous disturbance for which the operator is not responsible.
 (Contact the Division for a list of consultants and land surveyors for mapping assistance.)
4. The proposed (5 acre or less) disturbed area (including access/haul roads) should be marked ON THE GROUND with metal T-Posts (or with some other marker of equal effectiveness). Markers should be appropriately spaced so that the next marker in either direction is clearly visible with the naked eye.







III. **OPERATION PLAN** (Rule R647-3-106)

1. **Type of mining:** Surface () Underground (X)
2. **Mineral(s) to be mined:** _____ PRECIOUS METALS
3. **Amount of material** to be extracted, moved, or proposed to be moved: 6 RC drill holes, 200' deep from a single pad near the road. Disturbance will be minimal. Overburden will be pushed to the southwest or used in pad construction.
An estimated 50 tons of overburden will be disturbed in pad/mud pit construction. Sample size <2 tons.
4. Will any **water, liquid chemicals, reagents, or other solutions** be used, produced or discharged as part of the mining or milling process? Yes (X) No () If yes, please describe (add extra pages if needed): _____ WATER WILL BE USED FOR DRILLING.
5. Provide a brief **description of the proposed mining operation**, and onsite processing facilities (add extra pages if necessary). Mining will be underground, with an entrance from the portal shown on Figure 2:
Ore will be crushed to 6" minus, stockpiled in the staging area, then transported to a separate and approved facility for processing. Update January 19, 2015. RC drilling planned prior to any mining. 6 holes will be drilled from the pad into the ore. Total surface disturbance of less than 1 acre. Some pad development may be necessary, with a mud pit to contain drill water along the borrow side of the road. Drill holes will be 6" diameter and 40-200' deep. No groundwater is anticipated.
6. () **New Road(s):** Length _____ (ft), Width _____ (ft)
7. (X) **Improved Road(s):** Describe improvements that need to be made to existing roads to access the site, including the Length _____ (ft) and Width _____ (ft) of new disturbances.
No widening of improved roads is required. Roads will remain open or closed during blasting per MSHA guidelines.
Drilling along the county road must be approved by Sevier County. Contact Mark Rickenbach (435) 896-4831.
8. Total project surface **acreage to be disturbed:** -4.0 1.0 (acres) PLEASE SPECIFY EXACT ACREAGE (this will be used to determine surety bond amount – see #VI).
9. Proposed **startup date** (month, year): _____ July, 2015
10. Proposed **completion**, if known (month, year): _____ September, 2018



DRILL PAD
 6 DRILL HOLES, THREE COMMON COLLAR LOCATIONS
 OVERBURDEN AND MATERIAL REMOVED FOR ACCESS
 TO BE PUSHED SOUTHWEST OR UTILIZED
 TO BUILD AND LEVEL THE DRILL PAD

LEGEND

-  **MINE PORTAL**
-  **MINE AREA 1.78 ACRES / 6,000 CY ORE - 1.0 ACRES**
-  **GROWTH MEDIUM 0.16 ACRES / 2,800 CY**
-  **MINE WASTE 0.38 ACRES / 4,500 CY**
-  **ORE STAGING AREA - 1.0 ACRES**
-  **WITHDRAWN NOV 1, 2014 PENDING**

0 200' 400'

SNAKE VALLEY MINE

FIGURE 2
 OPERATIONS MAP

ROLLING THUNDER
 RESEARCH AND DEVELOPMENT LLC
 545 N DOLLHOUSE RANCH ROAD
 HANKSVILLE, UT 84734

Drawn by: DGB Date: 15 July 2015
 SNAKE VALLEY SMO 2015.dwg